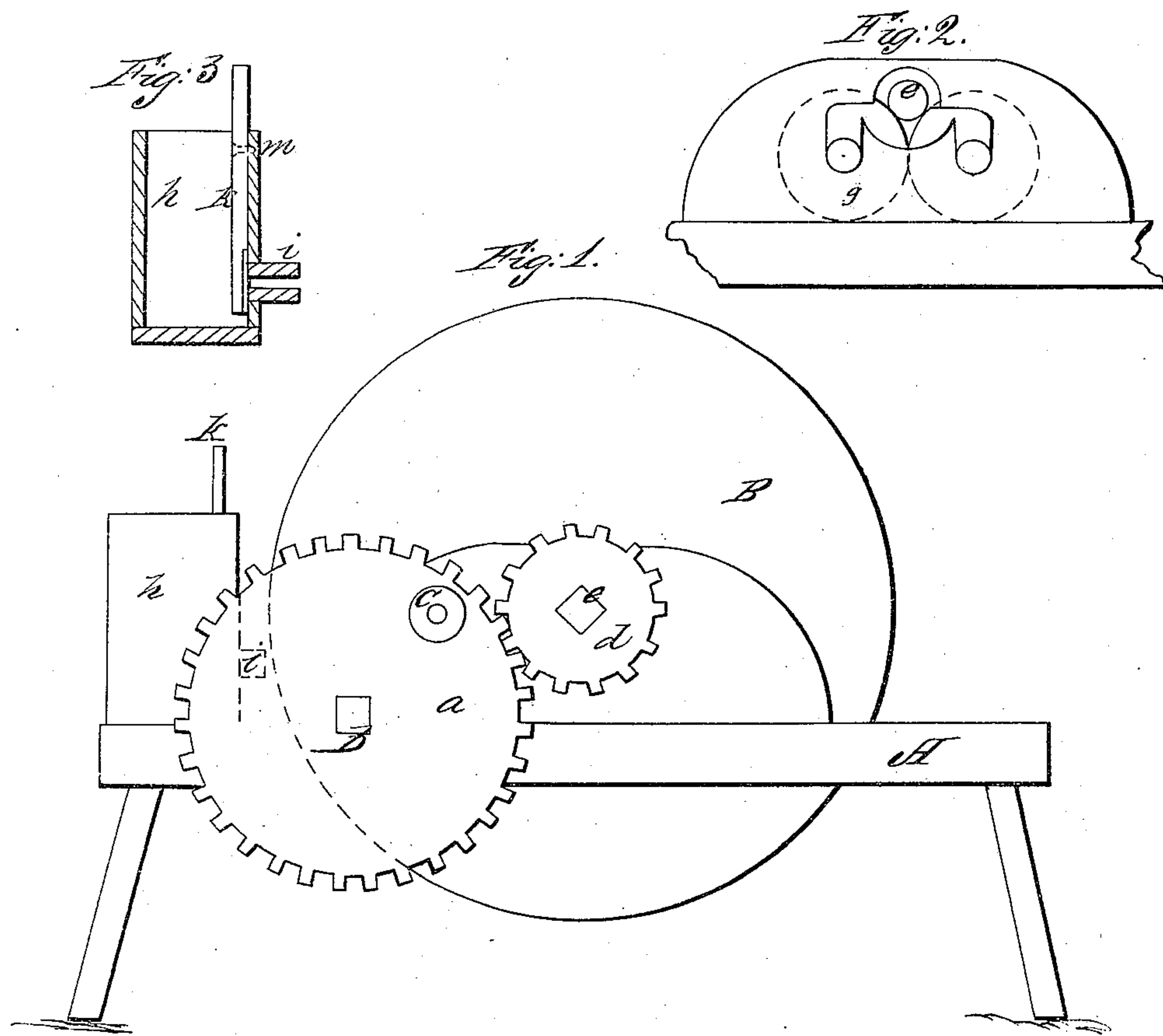


B. Bisbee.

Grindstone Frame.

N^o 95,639.

Patented Oct. 12, 1869.



Witnesses:

Henry C. Houston

Wm. T. H. H. H. H.

Inventor:

Bryon Bisbee

Per Wm. H. Clifford atty.

United States Patent Office.

BYRON BISBEE, OF NORTH WATERFORD, MAINE.

Letters Patent No. 95,639, dated October 12, 1869.

IMPROVEMENT IN GRINDSTONE-FRAME.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, BYRON BISBEE, of North Waterford, in the county of Oxford, and State of Maine, have invented a new and useful Improved Grindstone; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation.

Figure 2, a detail of a portion of the side opposite to that shown in fig. 1.

Figure 3 is a detail of the water-vat.

My invention aims to produce a grindstone of convenient and easy operation.

A shows the frame or stand.

B, the stone.

a is a gear on a shaft *b*, and turned by the crank *c*.

Into this gear meshes the gear *d*, rigidly set in the shaft *e*, to which shaft is also rigidly attached the stone B.

f g are friction-rollers, for the shaft *e*.

There are four of these, two for each bearing of the shaft.

By the gears *a* and *d*, greater facility in turning the stone is attained.

By the use of the friction-rollers *f g*, friction is lessened.

h is the water-receptacle, provided with the nozzle *i* and the valve *k*.

The valve is suspended on the pivot *m*, so as to be capable of being swung away from over the inner aperture of the nozzle, and thus to allow the water to run out on to the edge of the stone, near which the said vat is placed.

When standing vertical, the vat closes the aperture of the nozzle or spout.

The operation is evident:

The valve is opened, the water thus set running on to the wheel, or stone, and the article to be sharpened, after the wheel, or stone is wetted, applied.

Thus the stone is easily revolved, and, at the same time, kept well wetted without trouble.

I do not claim the gears or the friction-rolls, by themselves considered.

What I claim as my invention, and desire to secure by Letters Patent, is—

The described arrangement of the stone B, gear *a*, gear *d*, shaft *e*, friction-rollers *f g*, and water-receptacle *h*, with its valve and spout, as and for the purposes herein described.

BYRON BISBEE.

Witnesses:

WM. HENRY CLIFFORD,

WM. FRANKLIN SEAVEY.